

10/030485

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CLAIMS

531 Rec'd PCT/ATL 22 OCT 2001

1. A peptide having an amino acid sequence selected from the amino acid sequence of SEQ. ID. NO. 2 or the amino acid sequence of SEQ. ID. NO. 3.

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- ~~2. Peptide according to claim 1, wherein the amino acids of said peptide are D-amino acids or L-amino acids.~~

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- ~~3. Peptide according to claim 1, wherein the amino acid at the N-terminus of the peptide is acetylated.~~

- ~~4. Peptide according to claim 1, wherein the amino acid at the C-terminus of the peptide is amidated.~~

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- ~~5. Peptide according to claim 1, wherein the peptide further contains a reversible modification that increases its bioavailability and facilitates its permeation through the blood brain barrier and epithelial tissue.~~

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- ~~6. An isolated nucleic acid sequence which codifies a peptide according to anyone of claims 1 to 5.~~

- ~~7. Nucleic acid sequence according to claim 6, wherein said nucleic acid is selected from bicatenary DNA, monocatenary DNA and RNA.~~

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- ~~8. A plasmid which comprises a nucleic acid sequence according to claim 6.~~

- ~~9. An expression vector which comprises a nucleic acid sequence according to claim 6.~~

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- ~~10. A cell which expresses a peptide according to anyone of claims 1 to 5.~~

- ~~11. A mixture of peptides comprising:~~

- a) at least a peptide according to anyone of claims 1 to 5; and
- b) at least a peptide having an amino acid sequence consisting of 3 to 30 contiguous amino acids contained in SEQ. ID. NO. 4.

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12. A mixture according to claim 11, comprising:

- a) at least a peptide according to anyone of claims 1 to 5; and
- b) at least a peptide having an amino acid sequence selected from the amino acid sequence of SEQ. ID. NO. 5 or the amino acid sequence of SEQ. ID. NO. 6.

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13. A cosmetic composition comprising a cosmetically effective amount of at least a peptide according to anyone of claims 1 to 5, together with at least a cosmetically acceptable adjuvant.

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14. Cosmetic composition according to claim 13, which further comprises, optionally, one or more peptides having an amino acid sequence consisting of 3 to 30 contiguous amino acids contained in SEQ. ID. NO. 4.

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15. Use of a peptide according to anyone of claims 1 to 5, in the manufacture of a cosmetic composition for the treatment of face wrinkles and/or facial asymmetry.

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16. A pharmaceutical composition comprising a therapeutically effective amount of, at least, a peptide according to anyone of claims 1 to 5, together with, at least, a pharmaceutically acceptable excipient.

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17. Pharmaceutical composition according to claim 16, which further comprises, optionally, one or more peptides having an amino acid sequence consisting of 3 to 30 contiguous amino acids contained in SEQ. ID. NO. 4.

18. Pharmaceutical composition according to claim 16, which further comprises, optionally, a drug selected from the group consisting of a neuronal glutamate receptor blocker, a calcium chelating agent, an antioxidant, a free radical scavenger and

mixtures thereof, and, optionally, one or more additional neuronal exocytosis inhibitors.

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MEMORANDUM FOR THE RECORD  
DATE: 10/10/61

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